

BATTERY CHARGER 120W



FEATURES

- Single Phase Input
- High reliability
- Built In Transient protector & EMI filter
- Low ripple & noise
- Cooling by free air convection (Internal Fan for 12V model with Automatic fan control)
- Short circuit protection auto recovery type
- Current Limit : Yes
- Indications LED: Input OK, Float, Boost, Battery Reverse
- Low cost
- Compact



This product is not intended to be used as Stand-alone Battery charger. It is intended to be used as component or raw material inside the main equipment.



While connecting the battery keep charger OFF.

All dimensions in mm

INPUT	230V AC, +/-15%, 47-63Hz								
ISOLATION	Input – Output : 1.5KVAC, 1 minute Input – Earth : 1.5KVAC, 1 minute Output – Earth : 500VAC, 1 minute								
EFFICIENCY	70 ~ 75%								
INDICATIONS	MAINS ON	Green LED	FLOAT ON	Green LED					
	BOOST ON	Red LED	BATTERY REVERSE POLARITY	Red LED					
PROTECTIONS	Short Circuit Auto Recovery Type Overload Protection Auto Recovery Type Battery Reverse Polarity								
CHARGER ON RELAY	1 C/O Contact Rated for 5A@230VAC/24VDC								
BATTERY DRAIN DURING CHARGER OFF STATE	< 20uA								
OPERATING AMBIENT	0 ~ 50°C, 95% RH	STORAGE AMBIENT	-20°C to 85°C						
TERMINATIONS	Screw type, for 2.5mm sq. wire								
MOUNTING	Wall Mount								
WEIGHT (MAX)	880 grams								
ORDERING INFORMATION		NOMINAL INPUT : 230VAC/DC		OUTPUT	 RIPPLE & NOISE	 DIMENSIONS (W x H x D) (mm)			
	INPUT VOLTAGE	AC							
	INPUT RANGE	185 ~ 270V		VOLTAGE					
	IP FREQUENCY	47 ~ 63Hz							
	IP CURRENT (max)	1.5A max		BOOST CURRENT					
	INRUSH CURRENT	32A @230V							
	ORDER CODE	BCW-1210 (12V:10A)	13.00V	14.50V			10A	+/-1%	90 x 175 x 126 (Fig. 1)
		BCW-2405 (24V:05A)	26.20V	29.50V			5A	+/-1%	65 x 175 x 126 (Fig. 2)
BCW-3603 (36V:03A)		39.60V	43.60V	3.3A	+/-1%	65 x 175 x 126 (Fig. 2)			
BCW-4802 (48V:02A)		52.00V	58.50V	2A	+/-1%	65 x 175 x 126 (Fig. 2)			

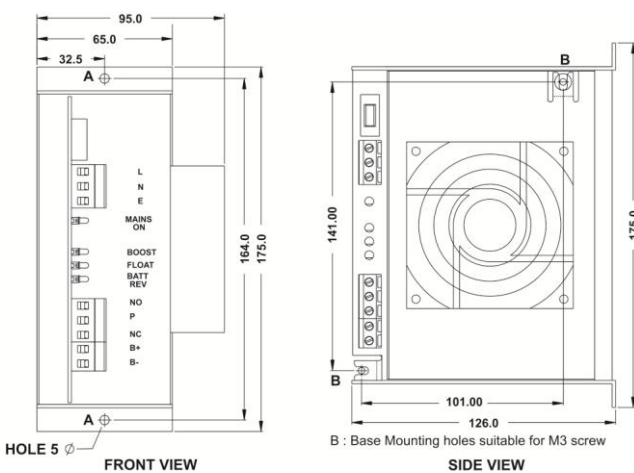


Fig. 1

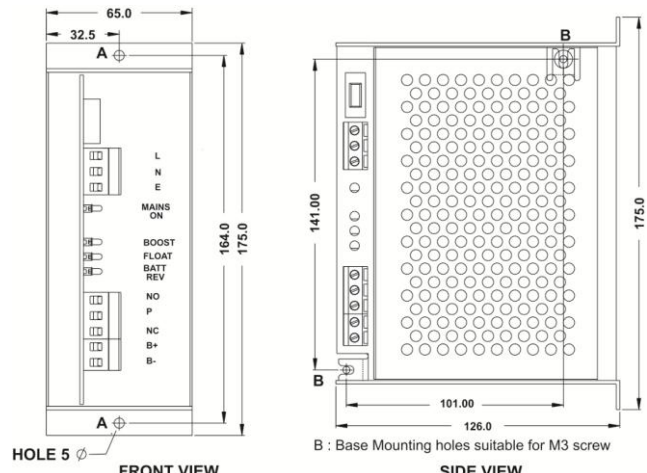


Fig. 2

- Note : 1. All parameters measured at nominal input, rated load and 25°C of ambient temperature unless otherwise specified.
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 100uf parallel capacitor.
 3. Ensure clearance of minimum 35mm from adjacent components for proper ventilation.